



**INTERNATIONAL SALT COMPANY**

A PART OF *ALZONA* INC

James A. Loose  
Plant Manager

FILE  
WATKINS GLEN REFINERY  
Watkins Glen, New York 14891  
Phone: 607/535-2721

August 26, 1985

Mr. Leon Lazarus  
United States E.P.A.  
Drinking & Groundwater Protection Branch  
26 Federal Plaza  
New York, New York 10278

Dear Mr. Lazarus:

Attached is a copy of the mechanical integrity tests conducted on each well or gallery by Mr. Sevenker during the month of July 1985.

Everything appears to be in order; if any questions, please call.

Very truly yours,

James A. Loose  
Plant Manager

INTERNATIONAL SALT COMPANY

JAL/r  
Attachment

bcc: Mr. A. J. Edwards  
Mr. G. Aitken  
Mr. L. J. Theilgard  
Mr. D. Carter  
Mr. J. E. Huff  
Mr. L. Sevenker

Please type or print

Please read instructions on reverse.

Form Approved  
OMB No. 2040-0002  
Approval expires 10-31-84

US ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF DRINKING WATER  
WASHINGTON, DC 20460  
UIC ANNUAL FEDERAL REPORTING SYSTEM  
**PART III: MECHANICAL INTEGRITY OF  
EXISTING INJECTION WELLS**  
(This information is collected under the  
authority of the Safe Drinking Water Act)

I. DATE PREPARED  
(Mo, day, year)

8-20-85

II. STATE

NY

III. REGION

II

IV. REPORTING AGENCY

International Salt Company

V. REPORTING PERIOD (Mo, year)

FROM 8-85

TO 8-90

ITEM

CLASS AND TYPE OF INJECTION WELLS

VI. NUMBER OF EXISTING WELLS TESTED FOR MECHANICAL INTEGRITY

Deficiency

0

Total

3

0

26

(1)  
TEST  
OF  
SIGNI-  
FICANT  
LEAK

A. Annulus Pressure Monitoring

Deficiency

0

Total

3

0

26

B. Casing/Tubing Pressure Test

Deficiency

0

Total

3

0

26

C. Monitoring Records Reviewed

Deficiency

0

Total

0

0

26

D. Other Tests (Specify)

Deficiency

0

Total

0

0

26

E. Number of Wells Witnessed for Mechanical Integrity

0

0

26

VII. MECHANICAL

INTEGRITY

TESTING

(2)  
TEST  
OF  
FLUID  
MOVE-  
MENT

F. Cementing Record Reviews

Deficiency

0

Total

3

0

26

G. Temperature Log

Deficiency

0

Total

0

0

26

H. Noise Log

Deficiency

0

Total

0

0

26

I. Radioactive Tracer Log

Deficiency

0

Total

0

0

26

J. Cement Bond Log

Deficiency

0

Total

0

0

26

K. Other Tests (Specify)

Deficiency

0

Total

0

0

26

L. Number of Wells Witnessed for Mechanical Integrity

0

0

26

VIII. REMEDIAL

ACTION

A. Casing Repaired/Squeeze Cement

B. Tubing/Packer Repaired

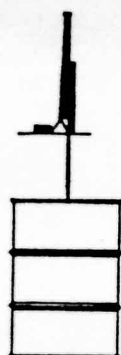
C. Plugging/Abandonment

D. Other Remedial Actions

E. Number of Wells Receiving Remedial Action

IX. REMARKS (Attach additional sheets if necessary)

Cementing records were examined and pressure test conducted on 3 temporarily abandoned Class V wells also. These tests indicated mechanical integrity.



LARRY SEVENKER

Consulting Engineer

4148 LOIRE DR.  
KENNER, LA. 70065

(504) 468-1908

MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 19, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-19-85

Test Location: 4B  
Type Test: Gallery System Test  
Number of Wells: 2 Wells  
Gallery Wells Tested: 4B & 1A  
Fluid in Test Well: Water


Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
9:15 AM				Connect Gauges
9:15	95	94	94	Start Test
9:30	95	94	94	
9:45	95	94	94	
10:00	95	94	94	
10:15 AM	95	94	94	Complete Test
Change	0 psi	0 psi	0 psi	

Test Results: 0 psi change in a 1.00 hour pressure test  
Gallery wells held pressure within testing criteria.

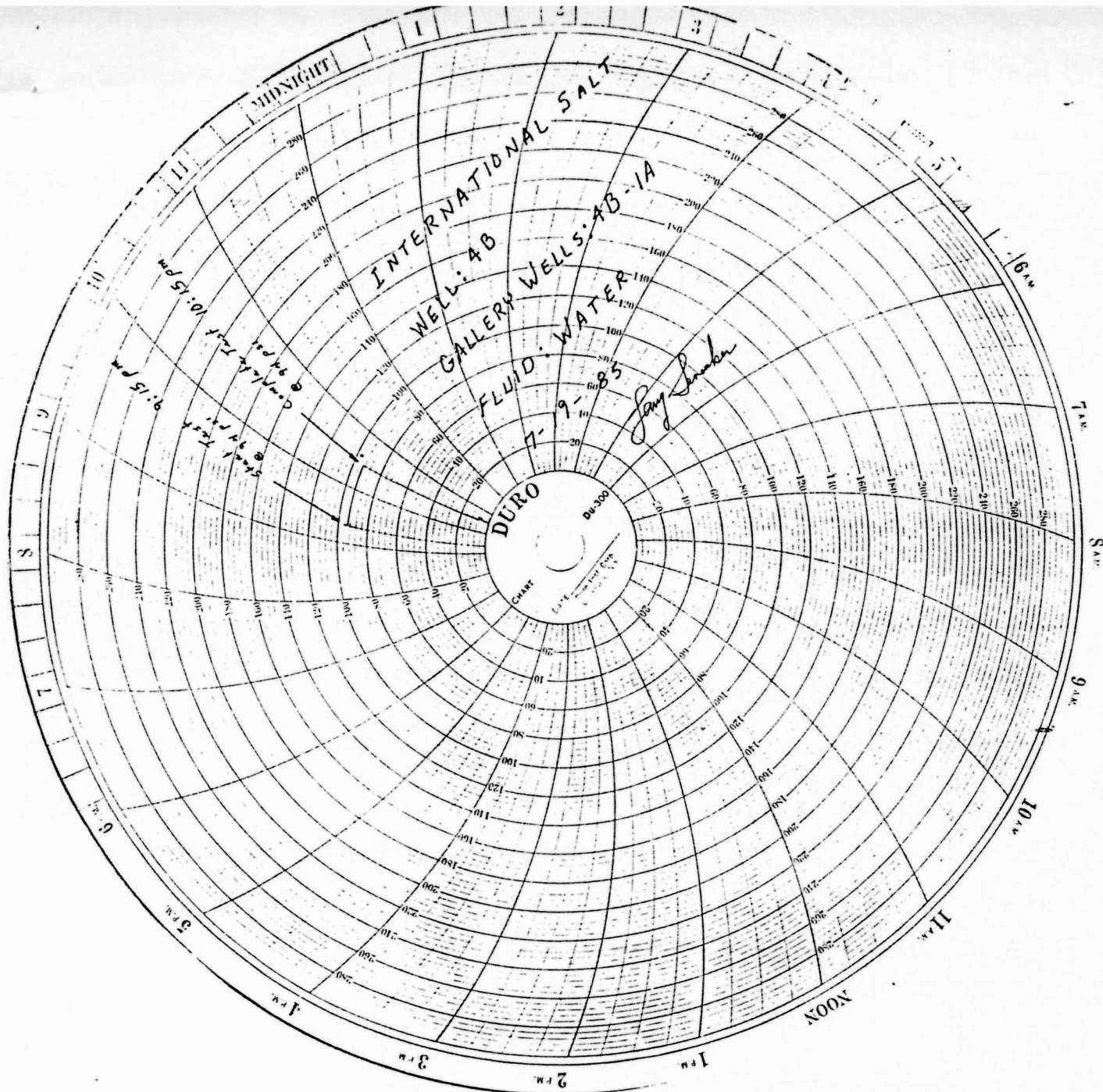
Test Conducted by:

Larry Sevenker  
Consulting Engineer

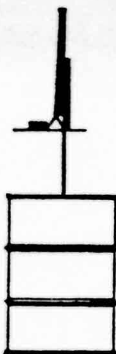


Date: 7-19-85









LARRY SEVENKER

Consulting Engineer

4148 LOIRE DR.  
KENNER, LA. 70065

(504) 468-1909

MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 23, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-23-85

Test Location: 7  
Type Test: Annulus Test  
Number of Wells: 1 Well  
Gallery Wells Tested: 7  
Fluid in Test Well: Brine with Air Pad

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
8:45 AM				Connect Gauges
9:00	75	76	76	Start Test
9:15	75	76	76	
9:30	75	76	76	
9:45	74	75	75	
10:00 AM	73	74	74	Complete Test
Change	-2 psi	-2 psi	-2 psi	

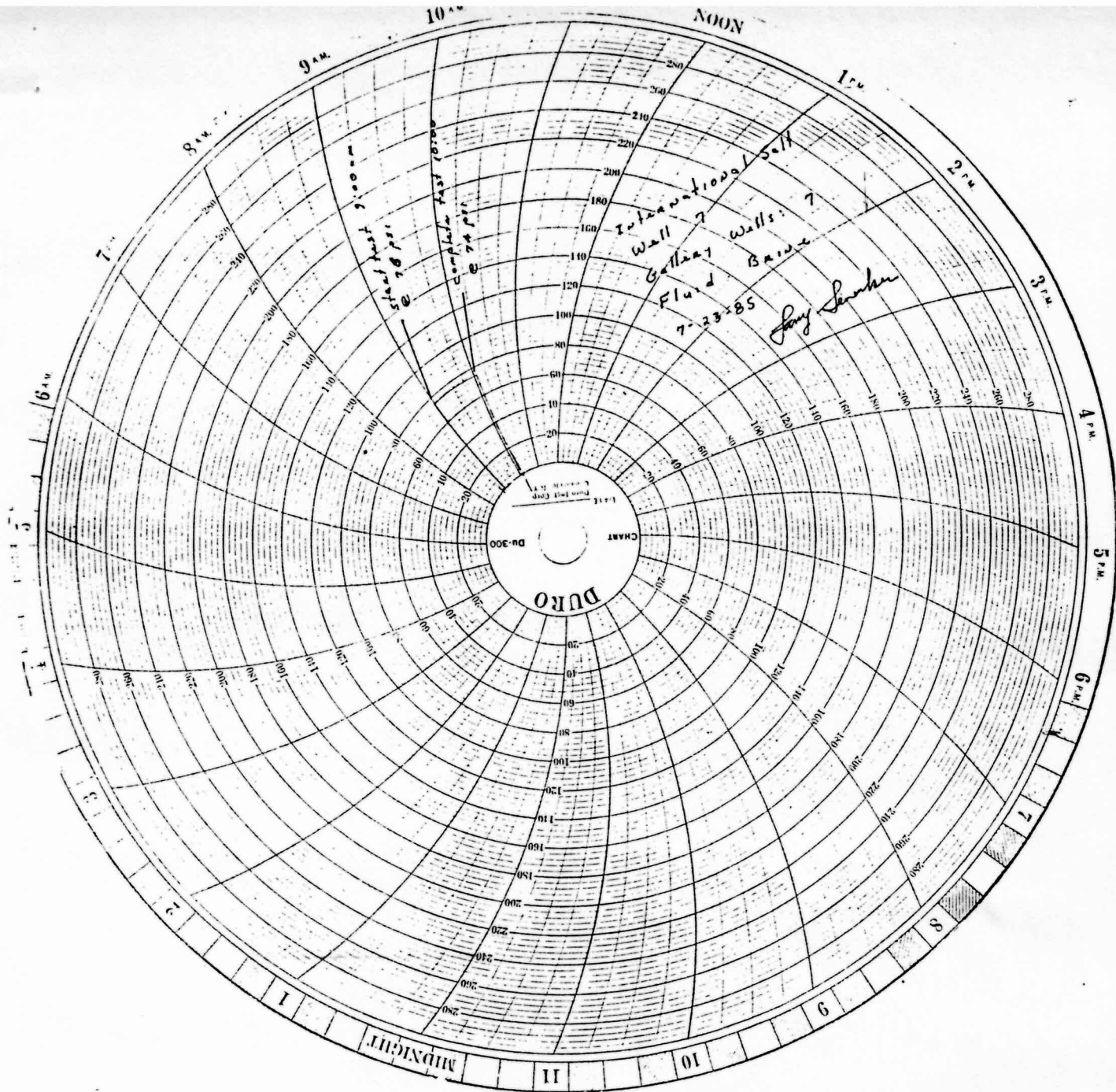
Test Results: -2 psi change in a 1.00 hour pressure test  
Well annulus held pressure within testing criteria  
of 5% change in a 1.00 hour test.

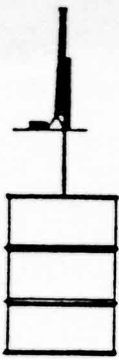
Test Conducted by:

Larry Sevenker  
Consulting Engineer



Date: 7-23-85





LARRY SEVENKER

Consulting Engineer

4148 LOIRE DR.  
KENNER, LA. 70065

(504) 468-1909

MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 18, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-18-85

Test Location: 28  
Type Test: Gallery System Test  
Number of Wells: 3 Wells  
Gallery Wells Tested: 27, 28 & 46  
Fluid in Test Well: Brine

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
6:50 AM				Connect Gauges
7:00	180	173	175	Start Test
7:15	180	173	175	
7:30	180	173	175	
7:45	180	173	175	
8:00 AM	180	173	175	Complete Test
Change	0 psi	0 psi	0 psi	

Test Results: 0 psi change in a 1.00 hour pressure test  
Gallery wells held pressure within testing criteria  
of 5% change in a 1.00 hour test.

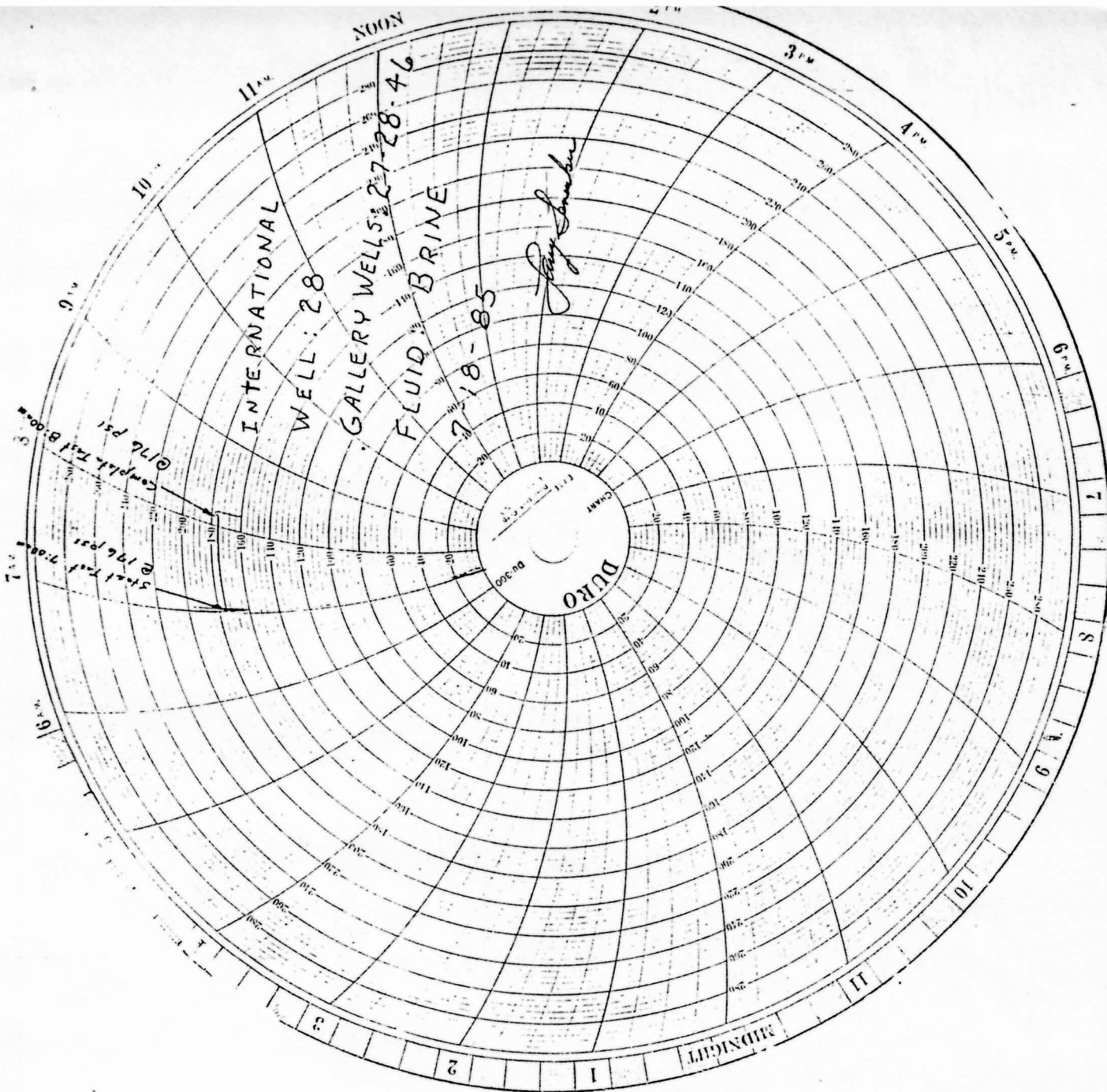
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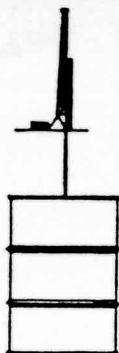
Larry Sevenker  
Consulting Engineer

  
\_\_\_\_\_

Date: 7-18-85







LARRY SEVENKER

Consulting Engineer

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KENNER, LA. 70065

(504) 468-1909

MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 22, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-22-85

Test Location: 38  
Type Test: Gallery System Test  
Number of Wells: 5 Wells  
Gallery Wells Tested: 35, 36, 37, 38 & 41  
Fluid in Test Well: Water

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
10:35 AM				Connect Gauges
10:45	320	320	322	Start Test
11:00	320	320	322	
11:15	320	320	322	
11:30	320	320	322	
11:45 AM	320	320	322	Complete Test
Change	0 psi	0 psi	0 psi	

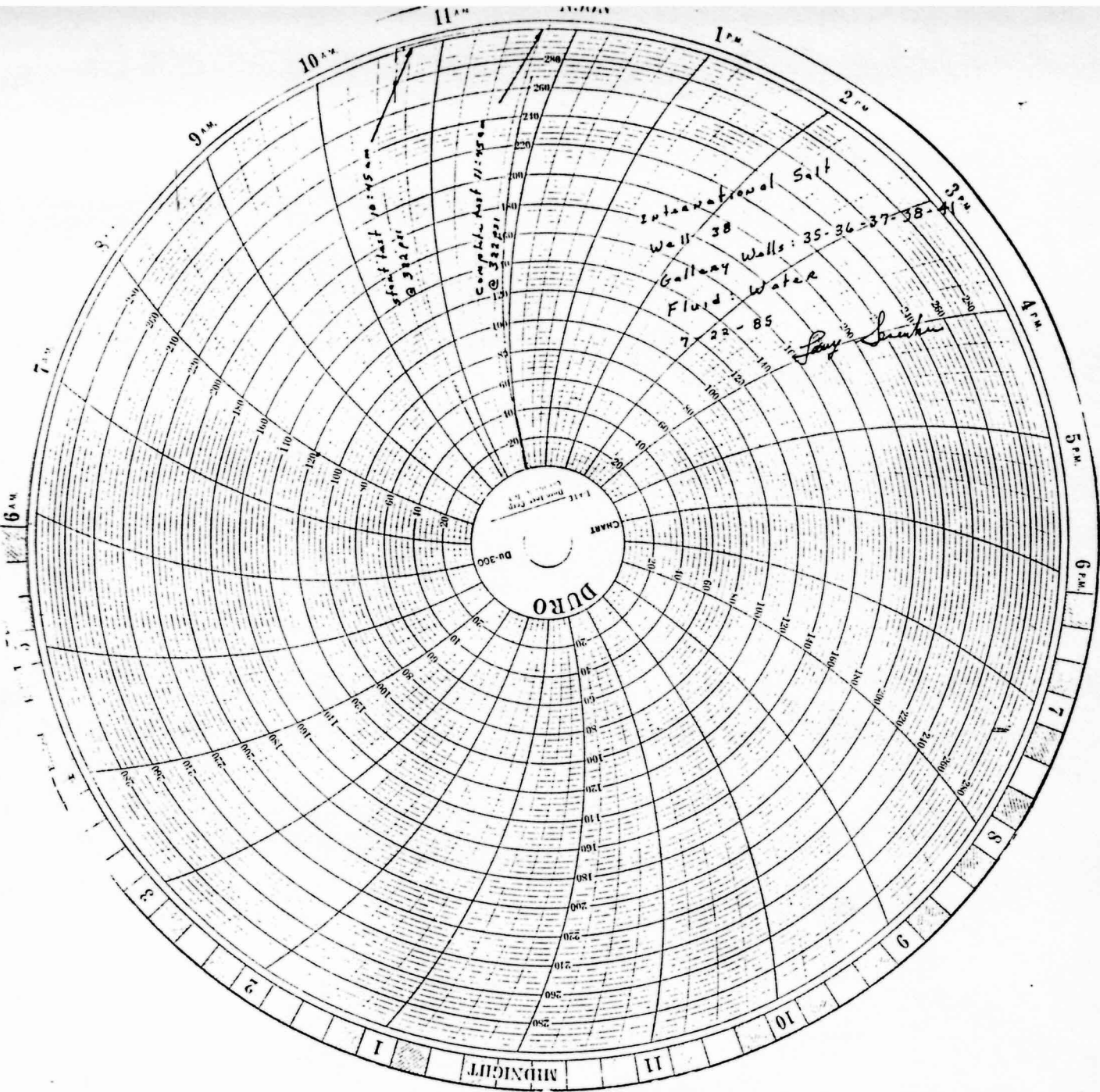
Test Results: 0 psi change in a 1.00 hour pressure test  
Gallery wells held pressure within testing criteria  
of 5% change in a 1.00 hour test.

Test Conducted by:

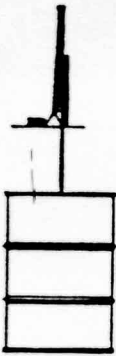
Larry Sevenker  
Consulting Engineer



Date: 7-22-85







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Consulting Engineer

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MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 22, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-22-85

Test Location: 39  
Type Test: Individual Well Test  
Number of Wells: 1 Well  
Gallery Wells Tested: 39  
Fluid in Test Well: Brine

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
4:50 PM				Connect Gauges
5:00	130	130	131	Start Test
5:15	130	130	131	
5:30	130	130	131	
5:45	130	130	131	
6:00 PM	130	130	131	Complete Test

Change            0 psi                      0 psi                      0 psi

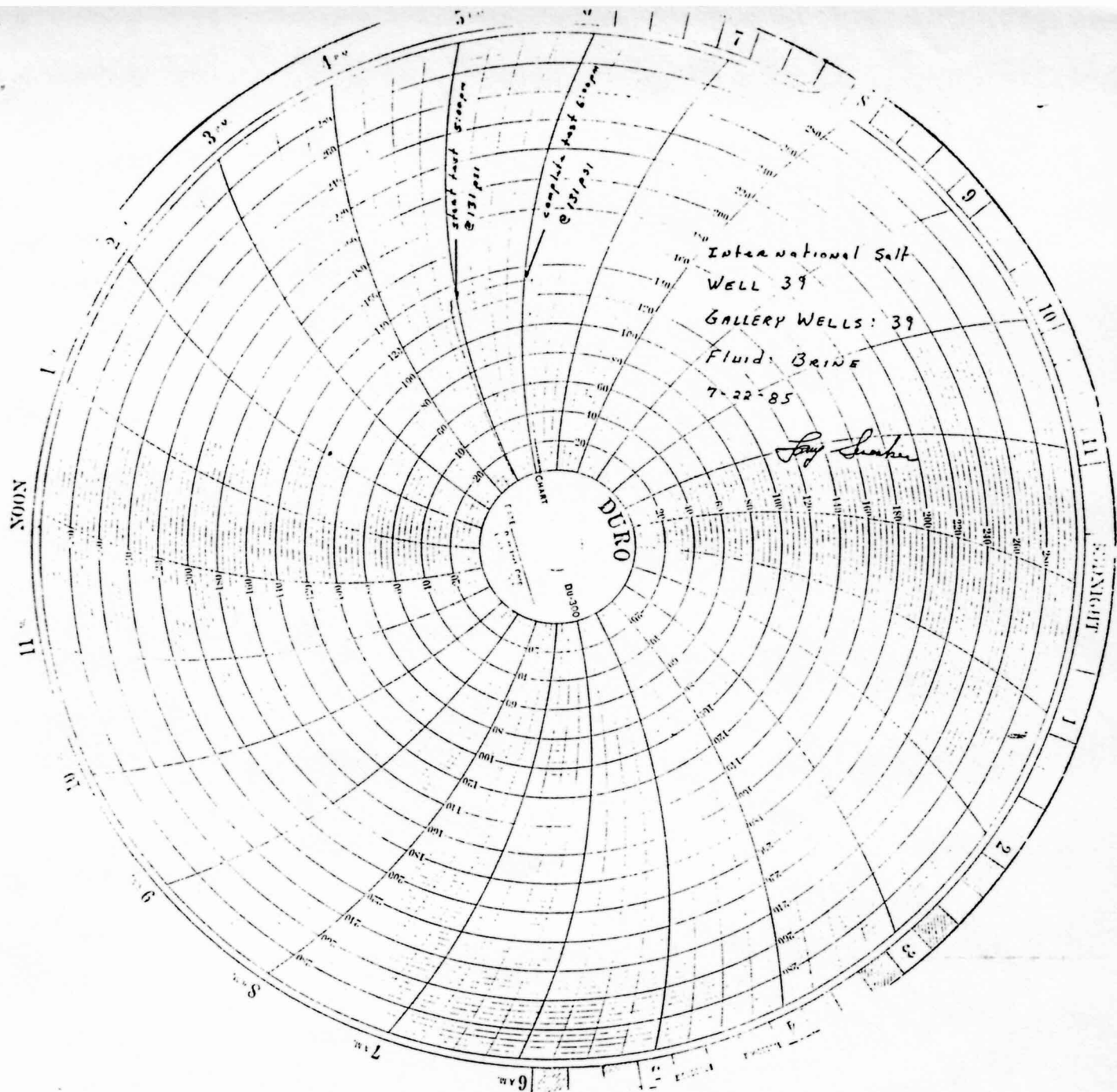
Test Results: 0 psi change in a 1.00 hour pressure test  
Individual well held pressure within testing criteria  
of 5% change in a 1.00 hour test.

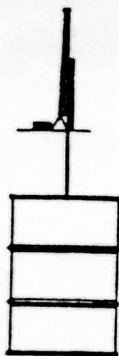
Test Conducted by:

Larry Sevenker  
Consulting Engineer

*Larry Sevenker*

Date: 7-22-85





LARRY SEVENKER

Consulting Engineer

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KENNER, LA. 70065

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MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 22, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-22-85

Test Location: 42  
Type Test: Gallery System Test  
Number of Wells: 2 Wells  
Gallery Wells Tested: 40 & 42  
Fluid in Test Well: Water

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
12:25 PM				Connect Gauges
12:30	315	317	322	Start Test
12:45	315	317	322	
1:00	315	317	322	
1:15	315	317	322	
1:30 PM	315	317	322	Complete Test
Change	0 psi	0 psi	0 psi	

Test Results: 0 psi change in a 1.00 hour pressure test  
Gallery wells held pressure within testing criteria  
of 5% change in a 1.00 hour test.

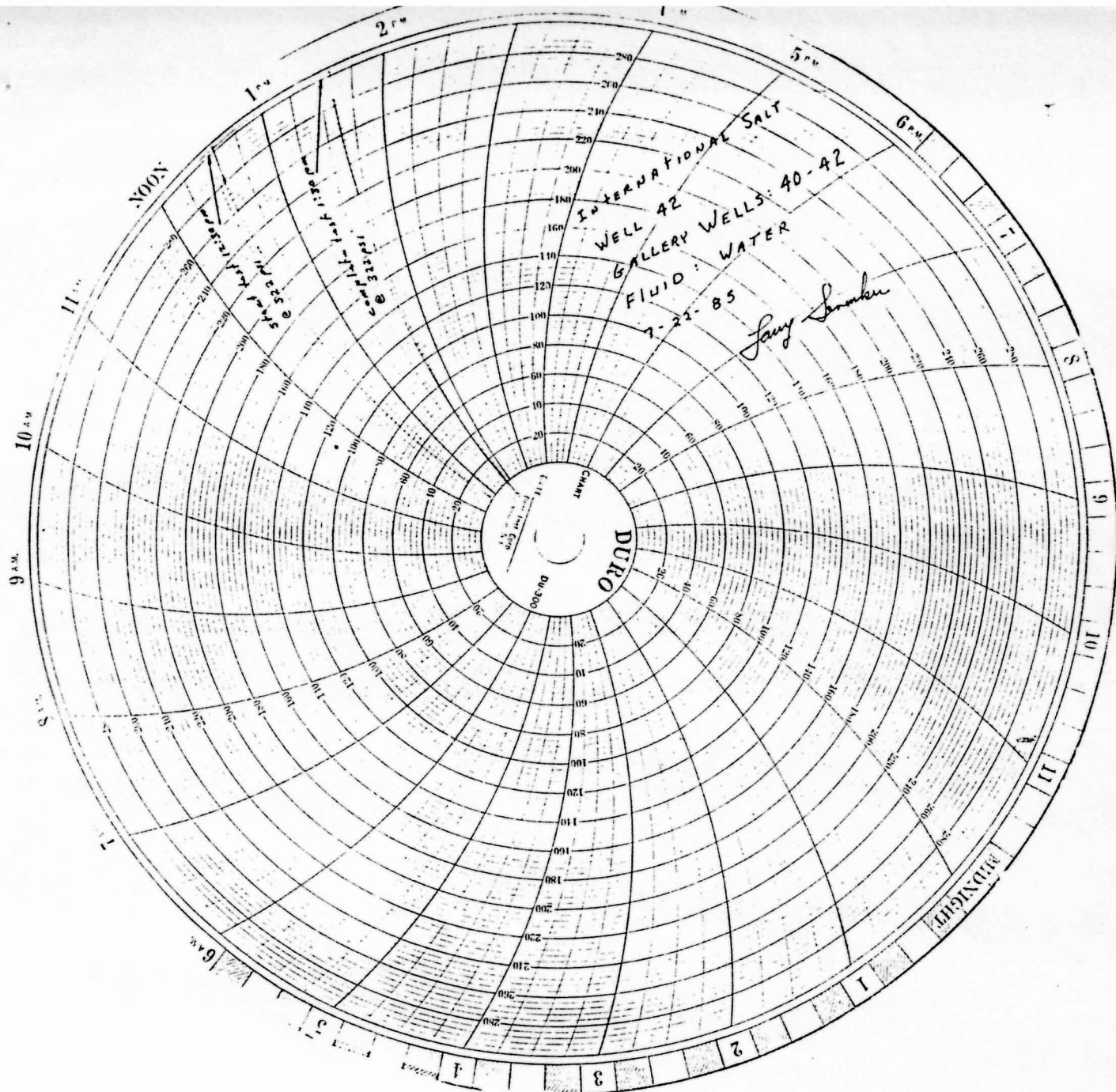
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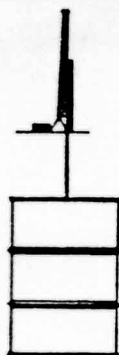
Larry Sevenker  
Consulting Engineer



Date: 7-22-85







LARRY SEVENKER

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KENNER, LA. 70065

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MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 17, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-17-85

Test Location: 44  
Type Test: Gallery System Test  
Number of Wells: 4 Wells  
Gallery Wells Tested: 33, 34, 43 & 44  
Fluid in Test Well: Water

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
5:25 PM				Connect Gauges
5:30	265	270	258	Start Test
5:45	265	270	258	
6:00	265	270	258	
6:15	265	270	258	
6:30 PM	265	270	258	Complete Test
Change	0 psi	0 psi	0 psi	

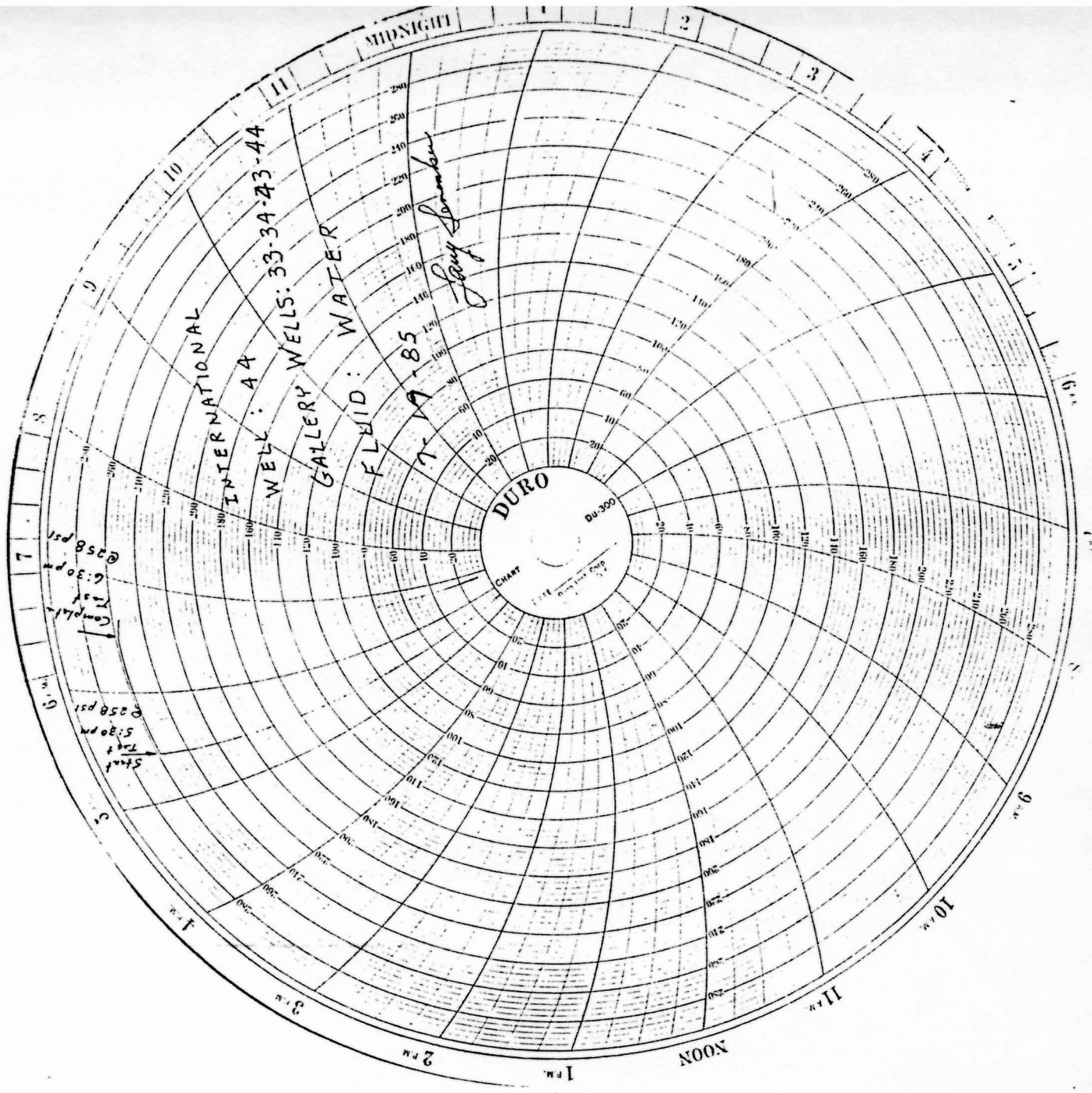
Test Results: 0 psi change in a 1.00 hour pressure test  
Gallery wells held pressure within testing criteria  
of 5% change in a 1.00 hour test.

Test Conducted by:

Larry Sevenker  
Consulting Engineer

*Larry Sevenker*

Date: 7-17-85



INTERNATIONAL

WELL: 44

GALLERY WELLS: 33-34-43-44

FLUID: WATER

7-19-85

Lay Lomden

Start Test 5:30 pm @ 258 psi  
Complete Test 6:30 pm @ 258 psi

DURO

Du-300

CHART

Pressure (psi)

Time (hr:min)

MIDNIGHT

NOON

2 PM

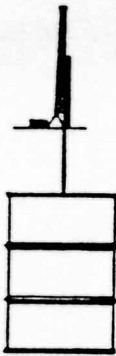
1 PM

11 AM

10 AM

9 AM

7 AM



LARRY SEVENKER

Consulting Engineer

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KENNER, LA. 70065

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MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 18, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-18-85

Test Location: 45  
Type Test: Gallery System Test  
Number of Wells: 3 Wells  
Gallery Wells Tested: 30, 31 & 45  
Fluid in Test Well: Brine

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
8:55 AM				Connect Gauges
9:00	120	122	120	Start Test
9:15	120	122	120	
9:30	120	122	120	
9:45	120	122	120	
10:00	120	122	120	
10:15 AM	120	122	120	Complete Test
Change	0 psi	0 psi	0 psi	

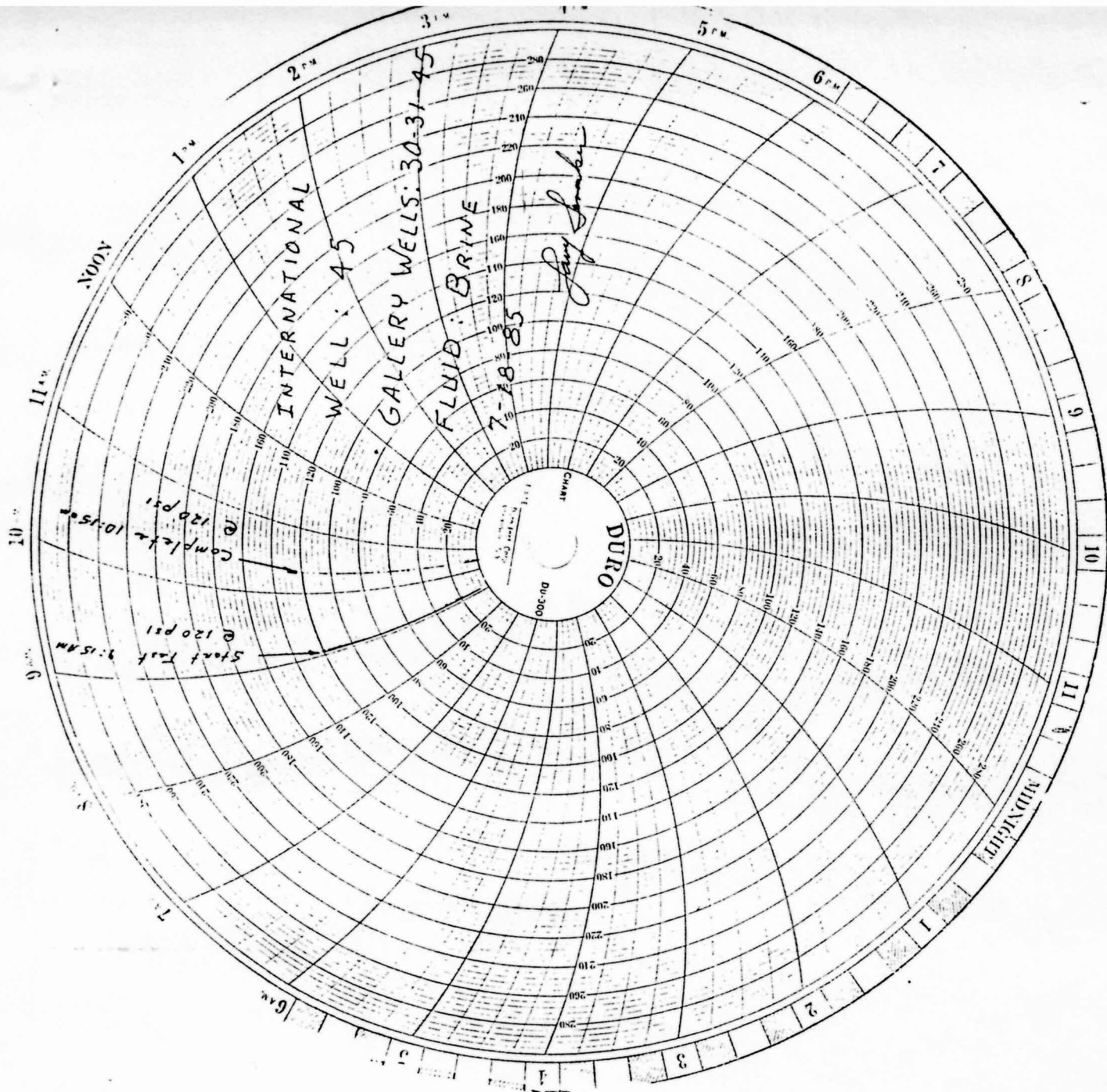
Test Results: 0 psi change in a 1.25 hour pressure test  
Gallery wells held pressure within testing criteria  
of 5% change in a 1.00 hour test.

Test Conducted by:

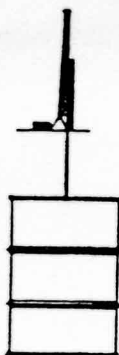
Larry Sevenker  
Consulting Engineer

*Larry Sevenker*

Date: 7-18-85







LARRY SEVENKER

Consulting Engineer

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KENNER, LA. 70065

(504) 468-1908

MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 19, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-19-85

Test Location: 48  
Type Test: Gallery System Test  
Number of Wells: 2 Wells  
Gallery Wells Tested: 48 & 50  
Fluid in Test Well: Brine


Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
7:40 PM				
7:45	55	54	52	Connect Gauges
8:00	55	54	52	Start Test
8:15	55	54	52	
8:30	55	54	52	
8:45 PM	55	54	52	Complete Test
Change	0 psi	0 psi	0 psi	

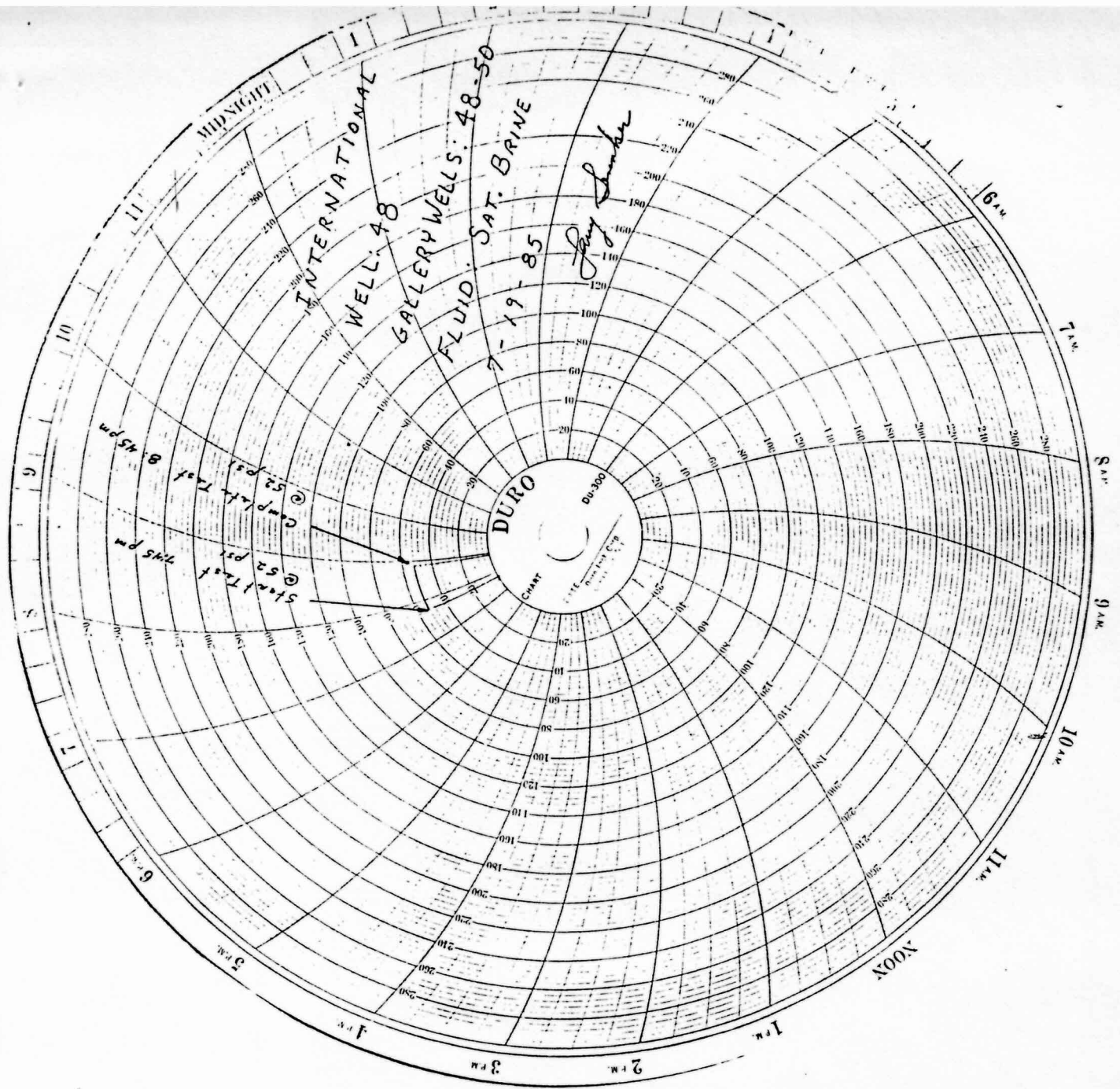
Test Results: 0 psi change in a 1.00 hour pressure test  
Gallery wells held pressure within testing criteria  
of 5% change in a 1.00 hour test.

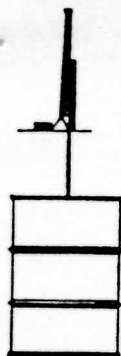
Test Conducted by:

Larry Sevenker  
Consulting Engineer

  
\_\_\_\_\_

Date: 7-19-85





LARRY SEVENKER  
Consulting Engineer

4148 LOIRE DR.  
KENNER, LA. 70065

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MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 18, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-18-85

Test Location: 49  
Type Test: Individual Well Test  
Number of Wells: 1 Well  
Gallery Wells Tested: 49  
Fluid in Test Well: Water

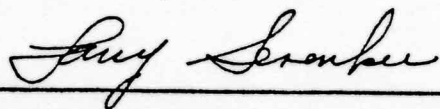
Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
10:55 AM				Connect Gauges
11:00	110	112	108	Start Test
11:15	110	112	108	
11:30	110	112	108	
11:45	110	112	108	
12:00 PM	110	112	108	Complete Test
Change	0 psi	0 psi	0 psi	

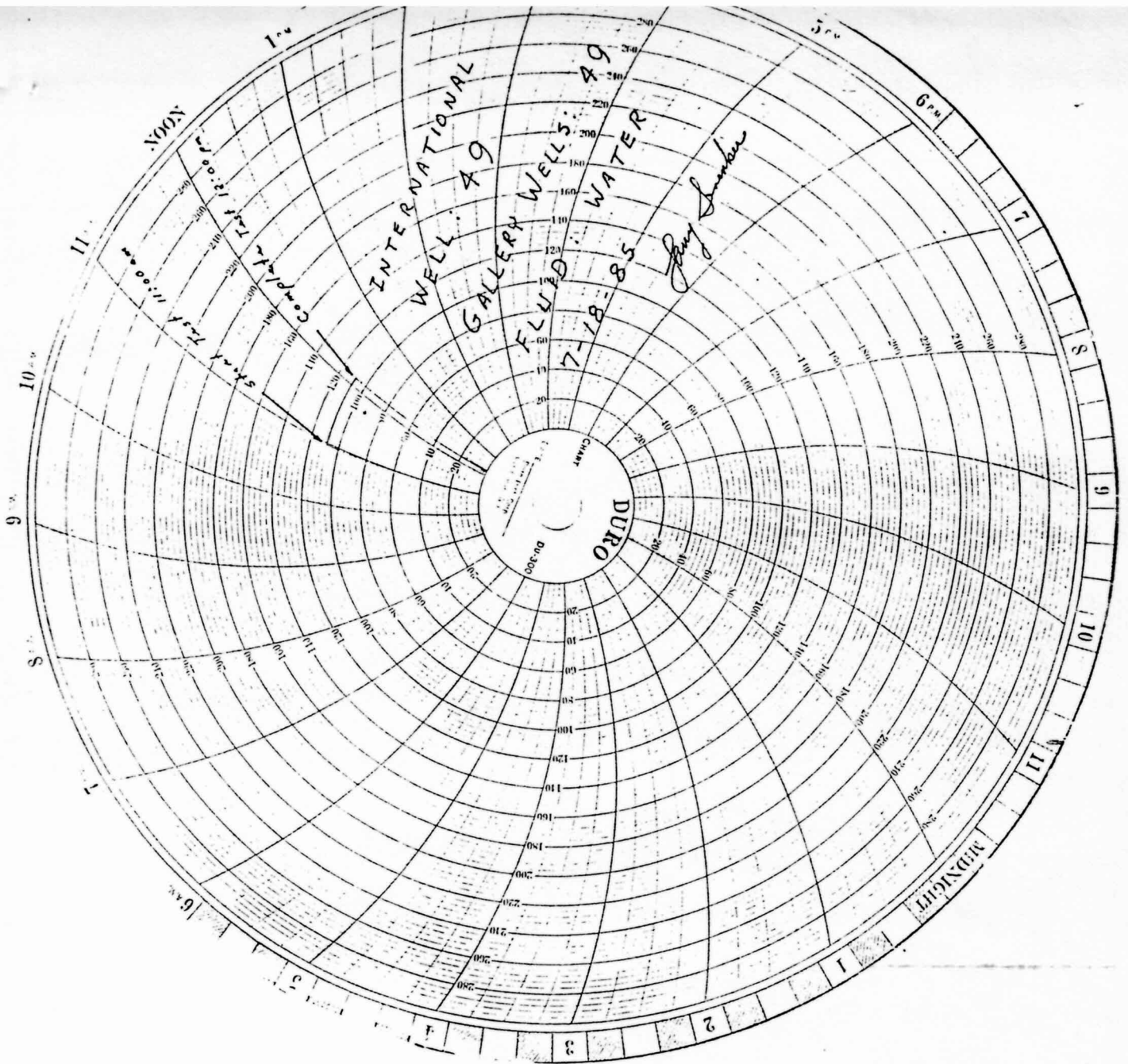
Test Results: 0 psi change in a 1.00 hour pressure test  
Individual well held pressure within testing criteria  
of 5% change in a 1.00 hour test.

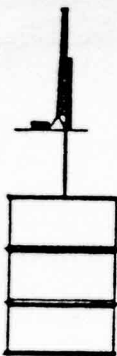
Test Conducted by:

Larry Sevenker  
Consulting Engineer



Date: 7-18-85





LARRY SEVENKER

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MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 23, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-23-85

Test Location: 51  
Type Test: Individual Well Test  
Number of Wells: 1 Well  
Gallery Wells Tested: 51  
Fluid in Test Well: Brine with Air Pad

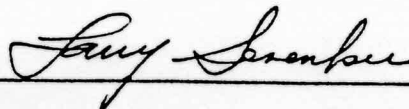
Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
10:40 AM				
10:45	120	125	128	Connect Gauges
11:00	120	125	128	Start Test
11:15	120	125	128	
11:30	119	124	127	
11:45 AM	118	123	126	Complete Test
Change	-2 psi	-2 psi	-2 psi	

Test Results: -2 psi change in a 1.00 hour pressure test  
Individual well held pressure within testing criteria  
of 5% change in a 1.00 hour test.

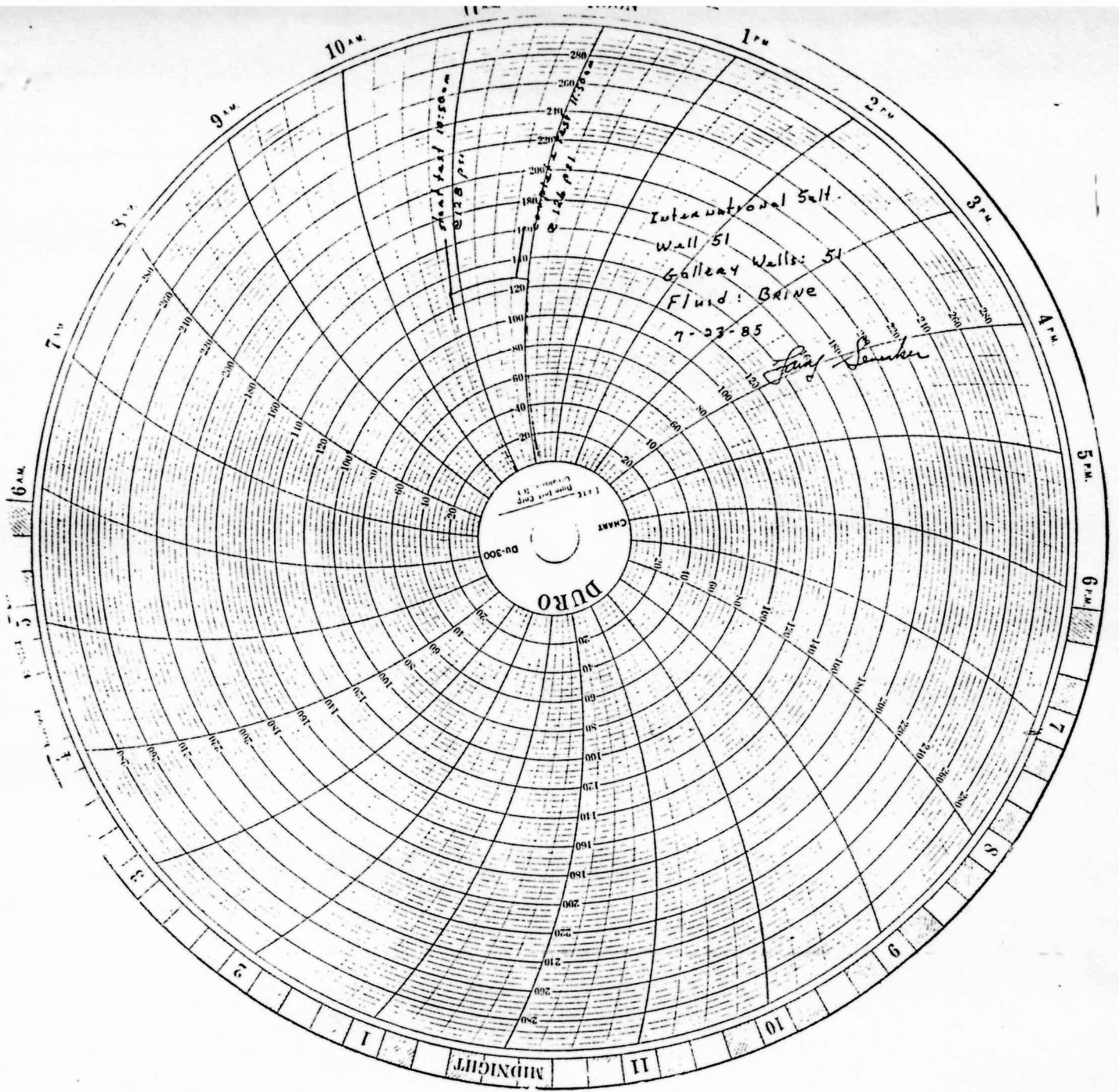
Test Conducted by:

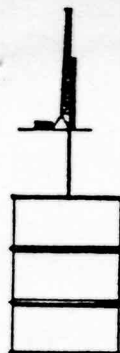
Larry Sevenker  
Consulting Engineer



Date: 7-23-85







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Consulting Engineer

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MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 23, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-23-85

Test Location: 53A  
Type Test: Well Annulus Test  
Number of Wells: 1 Well  
Gallery Wells Tested: 53A  
Fluid in Test Well: Brine with Air Pad

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
4:45 PM				Connect Gauges
4:50	115	116	124	Start Test
5:00	115	116	124	
5:15	115	116	124	
5:30	115	116	124	
5:45	115	116	124	
5:50 PM	115	116	124	Complete Test
Change	0 psi	0 psi	0 psi	

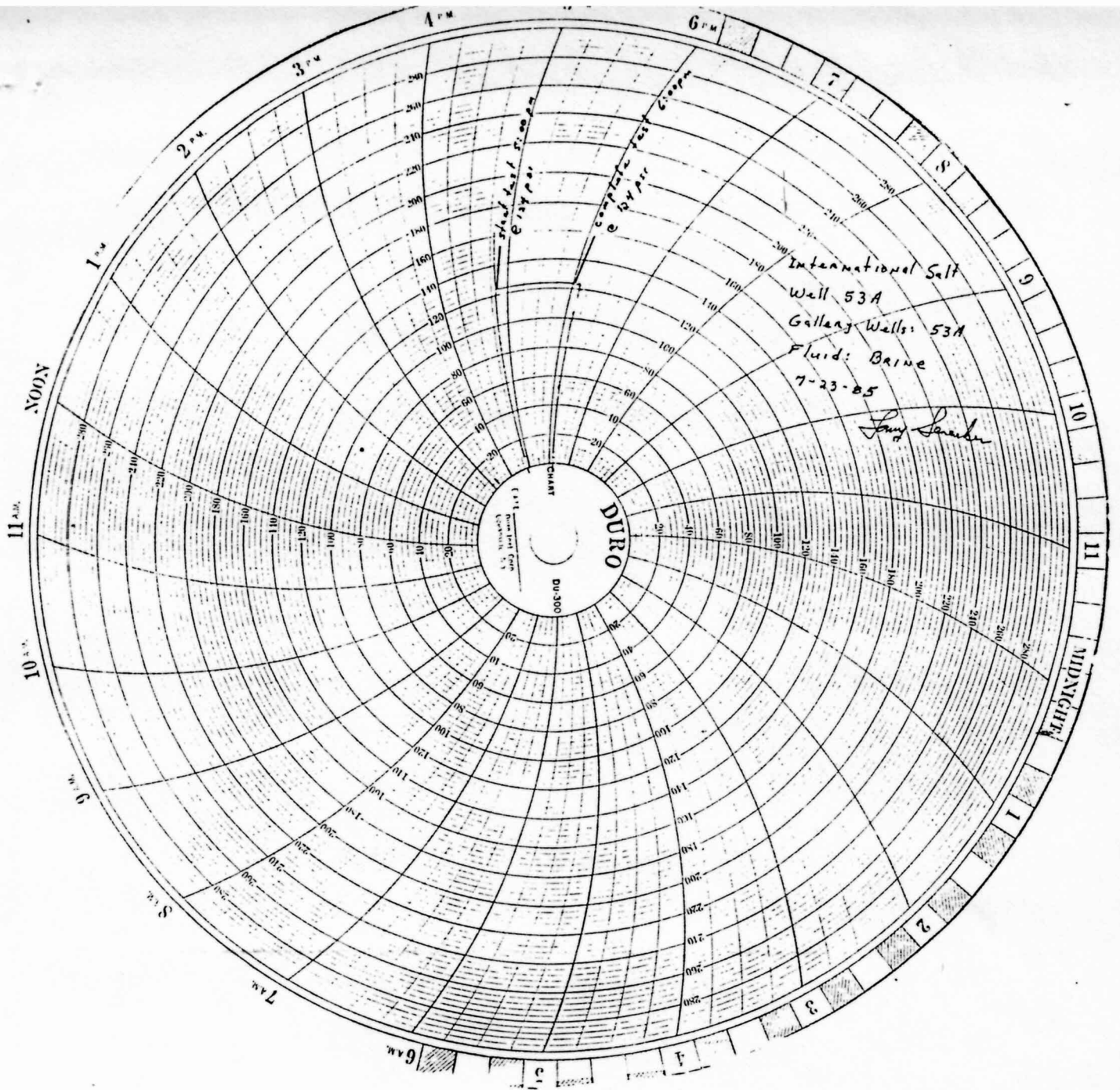
Test Results: 0 psi change in a 1.00 hour pressure test  
Well annulus held pressure within testing criteria  
of 5% change in a 1.00 hour test.

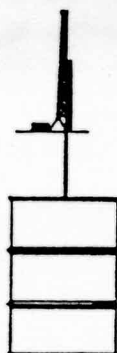
Test Conducted by:

Larry Sevenker  
Consulting Engineer



Date: 7-23-85





LARRY SEVENKER

Consulting Engineer

4148 LOIRE DR.  
KENNER, LA. 70065

(504) 468-1908

MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 23, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-23-85

Test Location: 54  
Type Test: Individual Well Test  
Number of Wells: 1 Well  
Gallery Wells Tested: 54  
Fluid in Test Well: Brine with Air Pad

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
2:30 PM				Connect Gauges
2:40	115	118	115	Start Test
2:45	115	118	115	
3:00	115	118	115	
3:15	115	118	116	
3:30	115	118	116	
3:45 PM	115	118	116	Complete Test
Change	0 psi	0 psi	+1 psi	

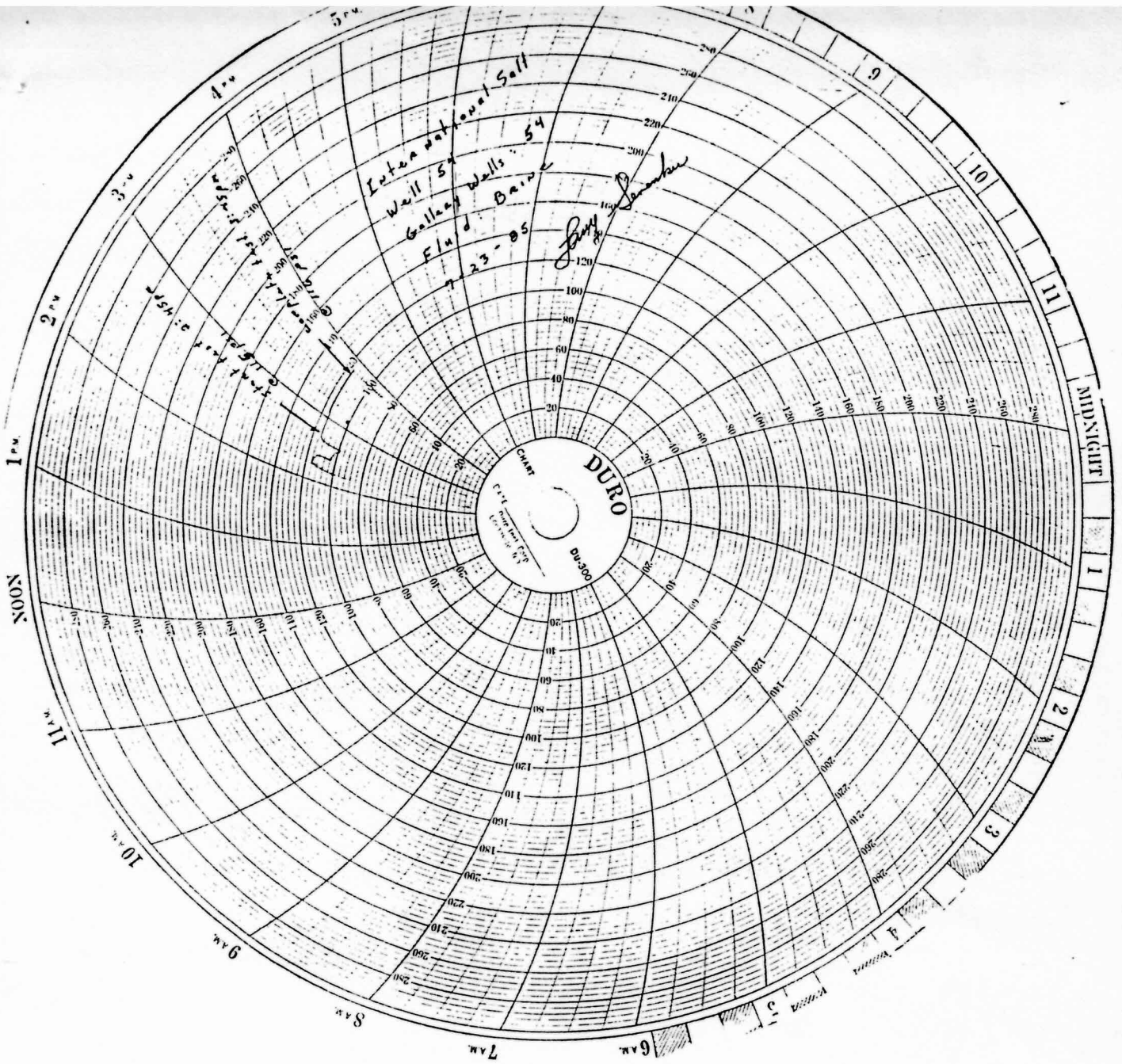
Test Results: 0 psi change in a 1.08 hour pressure test  
Individual well held pressure within testing criteria  
of 5% change in a 1.00 hour test.

Test Conducted by:

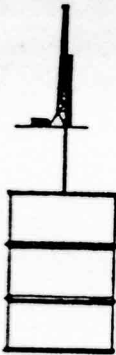
Larry Sevenker  
Consulting Engineer



Date: 7-23-85







LARRY SEVENKER

Consulting Engineer

4148 LOIRE DR.  
KENNER, LA. 70065

(504) 468-1909

MECHANICAL INTEGRITY TEST  
PRESSURE TEST  
July 17, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-17-85

Test Location: 56  
Type Test: Gallery System Test  
Number of Wells: 3 Wells  
Gallery Wells Tested: 47, 55 & 56  
Fluid in Test Well: Water


Time	Dead Wt Tester psi	Pressure Recordings Pressure Gauge psi	Pressure Recorder psi	Remarks
12:10 PM				
12:45	135	127	126	Connect Gauges
1:00	135	127	126	Start Test
1:15	135	127	126	
1:30	135	127	126	
1:45	135	127	126	
2:00	135	127	126	
2:15	135	127	126	
2:30 PM	135	127	126	Complete Test

Change            0 psi            0 psi            0 psi

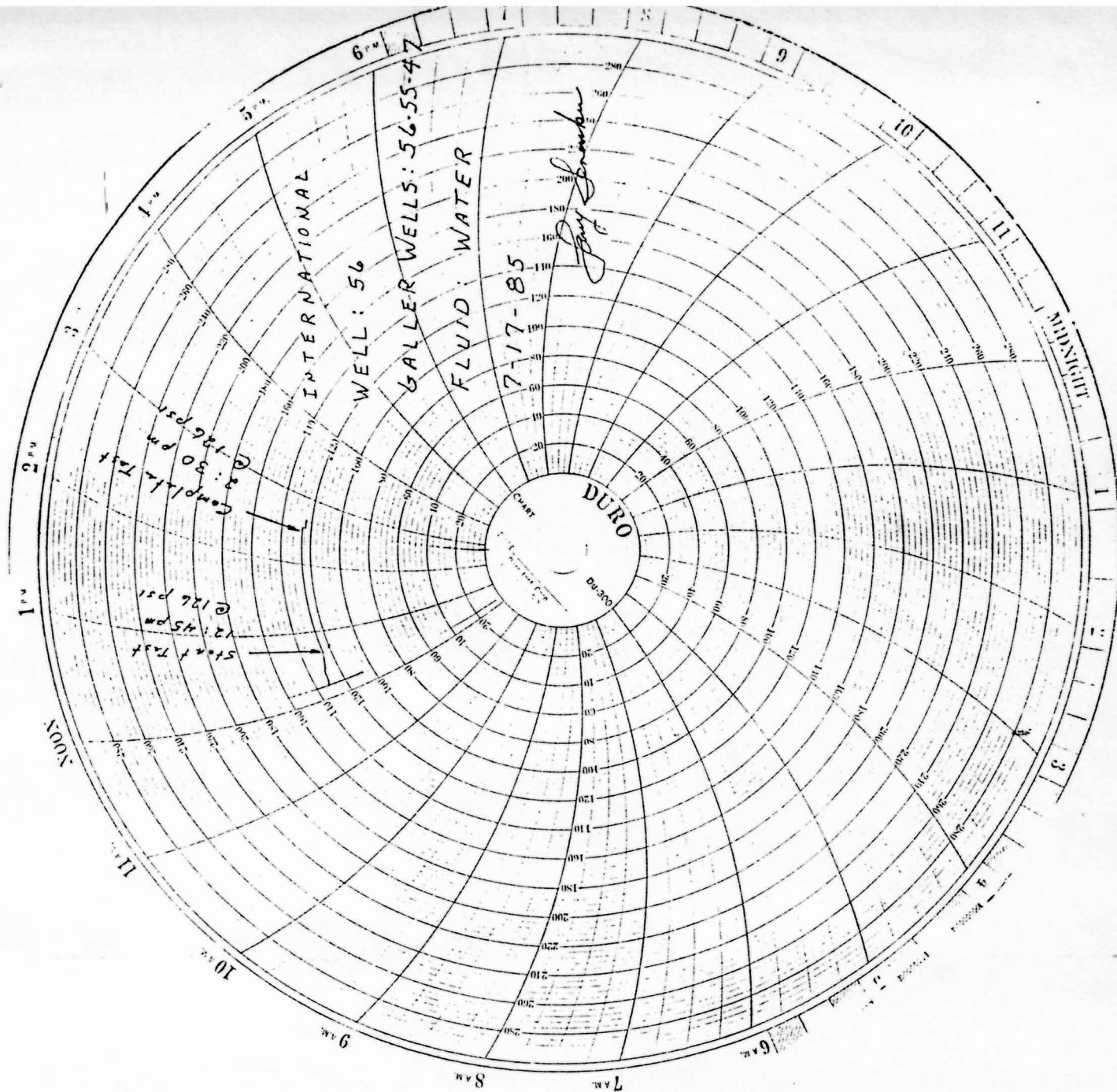
Test Results: 0 psi change in a 1.75 hour pressure test  
Gallery wells held pressure within testing criteria  
of 5% change in a 1.00 hour test.

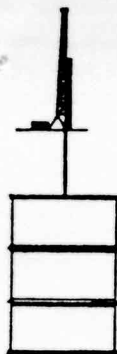
Test Conducted by:

Larry Sevenker  
Consulting Engineer

  
\_\_\_\_\_

Date: 7-17-85





LARRY SEVENKER

Consulting Engineer

4148 LOIRE DR.  
KENNER, LA. 70065

(504) 468-1809

MECHANICAL INTEGRITY TEST  
PRESSURE TEST

July 17, 1985

Company: International Salt Company  
Address: Salt Plant Road  
Watkins Glen, NY 14891

Contact: Mr. Jim Loose  
Phone: (607) 535-2721

Test Date: 7-17-85

Test Location: 57  
Type Test: Gallery System Test  
Number of Wells: 2 Wells  
Gallery Wells Tested: 52 & 57  
Fluid in Test Well: Water

Pressure Recordings

Time	Dead Wt Tester psi	Pressure Gauge psi	Pressure Recorder psi	Remarks
3:40 PM				Connect Gauges
3:45	270	272	261	Start Test
4:00	270	272	261	
4:15	270	272	261	
4:30	270	272	261	
4:45 PM	270	272	261	Complete Test
Change	0 psi	0 psi	0 psi	

Test Results: 0 psi change in a 1.00 hour pressure test  
Gallery wells held pressure within testing criteria  
of 5% change in a 1.00 hour test.

Test Conducted by:

Larry Sevenker  
Consulting Engineer

*Larry Sevenker*

Date: 7-17-85

